

# CERTIFICATION

## SAP Standard Application Benchmarks

The SAP standard APO-DP 3.1 application benchmark performed on September 25, 2003 by Unisys Corporation in Mission Viejo, CA, USA was certified on October 22, 2003 with the following data:

Number of planned characteristic combinations on aggregated level(\*): 586,319 / hour  
Number of updated characteristic combinations on detailed level: 5,863,190 / hour

CPU utilization central server: 95%  
Operating System central server: Windows Server 2003 Datacenter Edition  
RDBMS: SQL Server 2000  
SAP APO Release: 3.1  
liveCache: 7.4.2  
Total disk space: 2.1 TB

Configuration:  
1 Central server (APO & liveCache): Unisys ES7000 Model 400, 16-way SMP, Intel Itanium 2, 1.5 GHz, 32 KB L1 cache, 256 KB L2 cache, 6 MB L3 cache, 64 GB main memory

(\* ) 10,000 different products from 10 different distribution centers bought by 2,000 different customers are planned for a two-year history on a weekly base.

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